

IN THE CLAIMS

1. (currently amended) A particulate manganese dioxide having micropores and meso-macropores, said manganese dioxide having simultaneously a BET surface area between about 20 and 31 m²/g, a micropore area between about 8 and 13 m²/g and an average meso-macro pore radius greater than 32 Angstrom, wherein said manganese dioxide is in particulate form and said micropores and meso-macro pores are intraparticle pores and the total porosity of said manganese dioxide, based on pores within the manganese dioxide, is between 0.035 cm³/g and 0.060 cm³/g, wherein the micropores are intraparticle pores having a diameter less than or equal to 20 Angstrom and the meso-macropores are pores having a diameter greater than 20 Angstrom.

2. (canceled)

3. The manganese dioxide of claim [[2]] 1 wherein the manganese particles have an average diameter between about 1 and 100 micron.

4. The manganese dioxide of claim 1 wherein said manganese dioxide is an electrolytic manganese dioxide.

5. (canceled)

6. (original) A particulate electrolytic manganese dioxide product having micropores and meso-macropores, said manganese dioxide having simultaneously a BET surface area between about 20 and 28 m²/g and a micropore area between 8 and 13 m²/g, and an

average meso-macropore radius greater than about 32 Angstrom, wherein said manganese dioxide is in particulate form and said micropores and meso-macro pores are intraparticle pores and [[with]] the total porosity, based on pores within the manganese dioxide, being between about 0.035 cm³/g and 0.040 cm³/g, wherein the micropores are intraparticle pores having a diameter less than or equal to 20 Angstrom and the meso-macropores are pores having a diameter greater than 20 Angstrom.

7. (canceled)

8. (currently amended) The electrolytic manganese dioxide of claim [[7]] 6 wherein the manganese dioxide product is in particulate form having an average particle diameter between about 1 and 100 micron.

9. (canceled)

10. (original) A particulate electrolytic manganese dioxide product having micropores and meso-macropores, said manganese dioxide having simultaneously a BET surface area between about 20 and 30 m²/g and a micropore area between 8 and 13 m²/g, and an average meso-macropore radius greater than about 32 Angstrom, wherein said manganese dioxide is in particulate form and said micropores and meso-macro pores are intraparticle pores and [[with]] the total porosity, based on pores within the manganese dioxide, being between about 0.040 cm³/g and 0.045 cm³/g, wherein the micropores are intraparticle pores having a diameter less than or equal to 20 Angstrom and the meso-macropores are pores having a diameter greater than 20 Angstrom.

11. (canceled)

12. (currently amended) The electrolytic manganese dioxide of claim [[11]] 10 wherein the manganese dioxide is in particulate form having an average particle diameter between about 1 and 100 micron.

13. (canceled)

14. (original) A particulate electrolytic manganese dioxide product having micropores and meso-macropores, said manganese dioxide having simultaneously a BET surface area between about 20 and 31 m²/g and a micropore area between 8 and 13 m²/g, and an average meso-macropore radius greater than about 32 Angstrom, wherein said manganese dioxide is in particulate form and said micropores and meso-macro pores are intraparticle pores and [[with]] the total porosity, based on pores within the manganese dioxide, being between about 0.045 cm³/g and 0.050 cm³/g, wherein the micropores are intraparticle pores having a diameter less than or equal to 20 Angstrom and the meso-macropores are pores having a diameter greater than 20 Angstrom.

15. (canceled)

16. (currently amended) The electrolytic manganese dioxide of claim [[15]] 14 wherein the manganese dioxide is in particulate form having an average particle diameter between about 1 and 100 micron.

17. (canceled)